

CLAIMS

1. Compositions comprising one or more olefin polymers functionalized by at least one functionalization agent chosen from carboxylic acids, their esters, their anhydrides and their metal salts (and) one or more stabilizing agents comprising one or more sterically hindered phenol groups and at most one ester functional group from which at least one of the stabilizing agents is 1,3,5-trimethyl-2,4,6-tris(3,5-di-t-butyl-4-hydroxybenzyl)benzene.

2. Compositions according to Claim 1, characterized in that the amount of stabilizing agent is between 0.001 and 1% by weight.

3. Compositions according to any one of Claims 1 to 2, characterized in that at least one of the olefin polymers functionalized by at least one functionalization agent chosen from carboxylic acids, their esters, their anhydrides and their metal salts is an ethylene polymer functionalized by maleic anhydride.

4. Compositions according to Claim 3, characterized in that the maleic anhydride is present in the functionalized ethylene polymer in an amount of 0.001 to 5% by weight.

5. Compositions according to Claim 3 or 4, characterized in that the ethylene polymer functionalized by maleic anhydride exhibits a standard density of 915 to 960 kg/m³ and a melt flow index, measured at 190°C under a load of 5 kg, of 0.1 to 50 dg/min.

6. Compositions according to any one of Claims 1 to 5, characterized in that the composition is diluted in one or more nonfunctionalized olefin polymers.

7. Use of one or more stabilizing agents comprising one or more sterically hindered phenol groups and at most one ester functional group from which at least one of the stabilizing agents is 1,3,5-trimethyl-2,4,6-tris(3,5-di-t-butyl-4-hydroxybenzyl)benzene in the stabilization of olefin polymers functionalized by at least one functionalization agent chosen from

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14. Use according to Claim 13, characterized in that the incompatible polymers are epoxy resins.

15. Use according to Claim 13 or 14 in multilayer adhesion.

16. Use according to any one of Claims 13 to 15 in the multilayer coating of steel pipes.

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